

COMMERCIAL AND INDUSTRIAL FLOOD DAMAGE SURVEY

Gowanda, NY

(Personal Interview)

OMB Control Number: 0710-0001

Expires: 15 November 2015

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**COMMERCIAL AND INDUSTRIAL FLOOD DAMAGE SURVEY
PRIMARY SURVEY FORM**

OMB#: 0710-0001
Expires: 15-Nov-15

**Attach
Business**

Firm Name: _____

This survey is focused on damages that could occur to the contents of structures at your facility in the event of future flooding. Contents are defined as items that would be relocated in the event that the facility is moved to another location, such as furniture, equipment, products, and raw materials. For the purposes of this survey contents are divided into three categories:

- **Equipment**: Physical items that are used for the production process or the operation of the facility (e.g., generators, machinery, production tables, paint booths, robotics, racks, conveyors, floor scrubbers, computers/servers, etc.). These items would most likely be removed if the business relocates to another facility.
- **Furniture**: Physical items necessary for the conduct of business or delivery of a product (e.g., desks, chairs, bookcases, artwork, etc.). As with equipment, this category is focused on free-standing and attached furniture that would be removed in the event of relocation.
- **Inventory/Products**: Items that are used in the production process or result from the production process, or consumables used as part of the business activities. Items include raw materials, finished products, replacement parts, medical consumables, cleaning products, food, pharmaceuticals, software, building materials, office supplies, etc.

Business Information

Address _____

Contact Name _____

Contact's Title _____ Telephone # _____

Interviewer _____ Date _____ Time _____

1. Type of business _____

2. Total number of buildings on site _____

3. Number of years business has been at this location _____

Note: This is a completely voluntary survey. If you do not wish to participate in this survey please refer to question 21 as to why you are choosing to not participate in order to help us improve our survey process in the future. Thank you.

Flood History and Mitigation

4. Has your facility ever been flooded as a result of a weather related event? Yes
No

If "Yes," please complete Questions 5, 6 and 7. If "No," skip to Question 8.

5. In what year was the last weather related flood event at your facility?
6. Please estimate the damages to your business from the most recent weather related flooding event. Please give a single set of combined damages for all floors in all buildings.

Date of the flooding event:		Date of the flooding event:	
Water depth above first floor:		Water depth above first floor:	
Contents damage estimate (\$):		Contents damage estimate (\$):	
Structure damage estimate (\$):		Structure damage estimate (\$):	
Number of lost business days:		Number of lost business days:	
Amount of lost net income (\$):		Amount of lost net income (\$):	
Cost of cleanup (\$):		Cost of cleanup (\$):	

7. Briefly describe any permanent flood mitigation measures undertaken by company management that have been implemented to reduce potential flood damage since the last weather related flood event.

Building Information

(Questions 8-18 are to be answered for your **primary building only**. If there are multiple buildings at the facility, use the supplemental sheet that is provided for similar information.)

8. Building #: _____

9. Brief description of function of the building and its contents:

10. Year building was constructed: _____

11. Building Construction Type (e.g. brick): _____

12. Number of floors (including basement, if any): _____

13. Building footprint:

_____ feet by _____ feet = _____ square feet

14. Does the building have a basement? Yes No

If yes: _____ square feet finished area

_____ square feet unfinished area

15. Relative to the 1st floor elevation of the building, what is the current cumulative value of the contents and where are they located vertically? (Up through 1st floor only)

Height (ft)	Equipment (\$)	Furniture (\$)	Inventory/products (\$)
0.0 ft			
1.0 ft			
3.0 ft			
6.0 ft			
Total			

Notes to interviewer:

- Shaded areas are for buildings with a subterranean level only. Please fill in appropriate values for the depth (e.g., -1.0 ft, -3.0 ft, -6.0 ft). Leave shaded areas blank if no subterranean level exists.
- The values in the columns should be a cumulative total, starting from the lowest level of the structure.

16. Is there a seasonal variation in the value of inventory in this building? Yes No

If yes, what is the average value of your inventory during the following time periods?

January – March \$ _____ April – June \$ _____

July – September \$ _____ October – December \$ _____

Susceptibility to Flood Damage

The amount of damage due to flooding can vary considerably depending on conditions (e.g., quality of water, duration of flood). When completing the following section, you will be asked to provide a range for potential damages. In addition to the most likely damage amount due to flooding, you will also be asked to provide a low and high estimate. Please use the following definitions:

- “Fair” – reasonable amount of damage expected to occur during an average flood.
- “Low” – reasonable low estimate of damages assuming that the flood conditions are less than a typical flood (e.g., short duration, relatively clean floodwaters) or the contents were less impacted than typically estimated (e.g., motors were sealed well).
- “High” – reasonable high estimate of damages assuming that the flood conditions are worse than a typical flood (e.g., long duration, highly contaminated floodwaters) or the contents were more impacted than typically estimated (e.g., motors need total replacement).

17. At what elevation, relative to the 1st floor of the building, does flood damage to **contents** begin? (+ or –; will only be negative if there is a subterranean level)

_____ feet

18. Please estimate damage to contents corresponding with water depths above/below the building’s 1st floor elevation. (Express damage in either \$ or % of total value.)

Flood Depth	Equipment			Furniture			Inventory/products		
	Low	Fair	High	Low	Fair	High	Low	Fair	High
0.0 ft									
1.0 ft									
3.0 ft									
6.0 ft									

Notes to interviewer:

- Shaded areas are for buildings with a subterranean level only. Please fill in appropriate values for the depth (e.g., -1.0 ft, -3.0 ft, -6.0 ft). Leave shaded areas blank if no subterranean level exists.
- The values in the columns should be a cumulative total, starting from the lowest level of the structure.

Other Information

19. Other than the principal structures, are there any other valuable items on your property that flood waters could damage?

- Not readily movable (landscaping, electrical equipment, pipes, trailers on blocks, etc.)

Type	Current Value (\$)	Height of water at which damage would occur (ft)

- Movable (cars, trucks, trailers, etc.)

Type	Current Value (\$)

20. Emergency Measures/Plans:

a. What emergency measures/plans would you take to reduce damage if eminent flooding was forewarned?

b. What would be the estimated cost to implement these emergency measures?

\$ _____

c. How much time would be required to implement these emergency measures?

_____ hours

21. We have found that in studies of this type that people have a lot of different reasons for electing not to participate. Understanding the reasons for non-participation will help us to improve future survey approaches. Which of the following statements best describes your reason for electing not to participate?

1. ☐ *I do not have time to answer the questions.*
2. ☐ *I am not interested in the Study or its outcome.*
3. ☐ *I am not authorized to discuss Company Business.*
4. ☐ *Objected to the way a question (or questions) was asked.*
5. ☐ *Other.*_____

**COMMERCIAL AND INDUSTRIAL FLOOD DAMAGE SURVEY
SUPPLEMENTAL SURVEY FORM**

OMB#: 0710-0001

Expires: 15 November 2015

Firm Name: _

This supplemental survey is to be used for each additional building at your facility. Information for each building is needed to estimate damages that could occur to the contents of all structures at your facility in the event of future flooding.

8. Building #: _____

9. Brief description of function of the building and its contents: _____

10. Year building was constructed: _____

11. Building Construction Type (e.g. brick): _____

12. Number of floors (including basement, if any): _____

13. Building footprint:

_____ feet by _____ feet = _____ square feet

14. Does the building have a basement? Yes No

If yes: _____ square feet finished area

_____ square feet unfinished area

15. Relative to the 1st floor elevation of the building, what is the current value of the contents and where are they located vertically? (up through 1st floor only)

Height (ft)	Equipment (\$)	Furniture (\$)	Inventory/products (\$)
0.0 ft			
1.0 ft			
3.0 ft			
6.0 ft			
Total			

Notes to interviewer:

- Shaded areas are for buildings with a subterranean level only. Please fill in appropriate values for the depth (e.g., -1.0 ft, -3.0 ft, -6.0 ft). Leave shaded areas blank if no subterranean level exists.
- The values in the columns should be a cumulative total, starting from the lowest level of the structure.

16. Is there a seasonal variation in the value of inventory in this building? Yes No

If yes, what is the average value of your inventory during the following time periods:

January – March \$ _____ April – June \$ _____

July – September \$ _____ October – December \$ _____

Susceptibility to Flood Damage

17. At what elevation, relative to the 1st floor of the building, does flood damage to contents begin? (+ or – ; will only be negative if there is a subterranean level)

_____ feet

18. Please estimate damage to contents corresponding with water depths above/below the building's 1st floor elevation. (Express damage in either **\$** or **% of total value**.)

Flood Depth	Equipment			Furniture			Inventory/products		
	Low	Fair	High	Low	Fair	High	Low	Fair	High
0.0 ft									
1.0 ft									
3.0 ft									
6.0 ft									

Notes to interviewer:

- Shaded areas are for buildings with a subterranean level only. Please fill in appropriate values for the depth (e.g., -1.0 ft, -3.0 ft, -6.0 ft). Leave shaded areas blank if no subterranean level exists.
- The values in the columns should be a cumulative total, starting from the lowest level of the structure.